

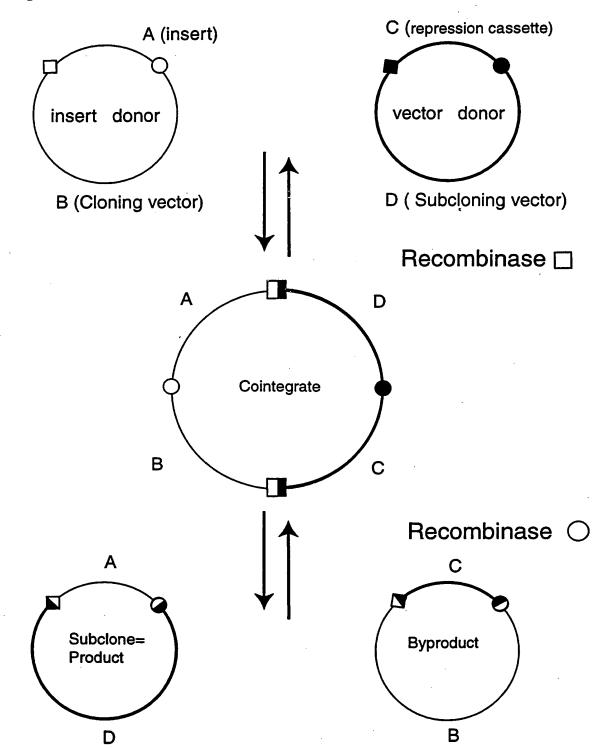
Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600
Title: Recombinational Cloning Using Nucleic Acids...

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Figure 1



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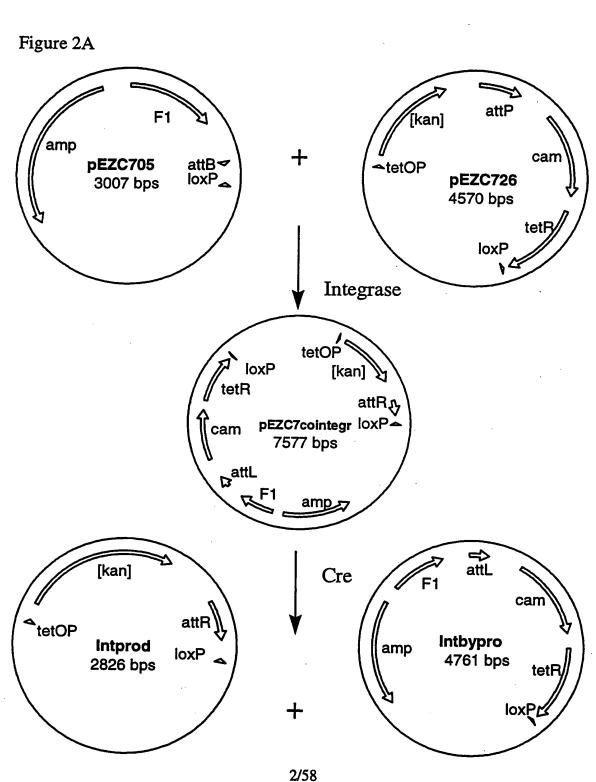
Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

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Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

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Figure 2B

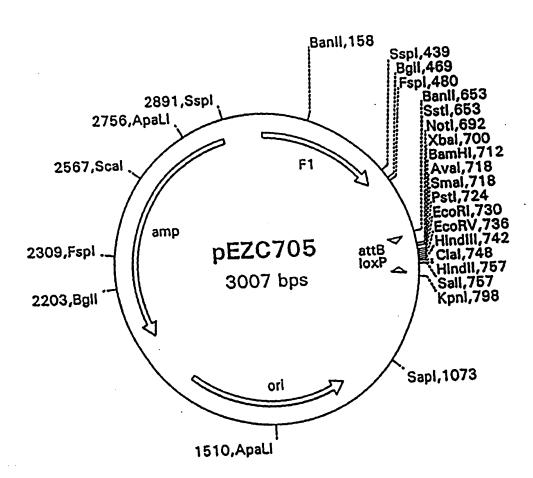




Figure 2C

Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids... RECEIVED
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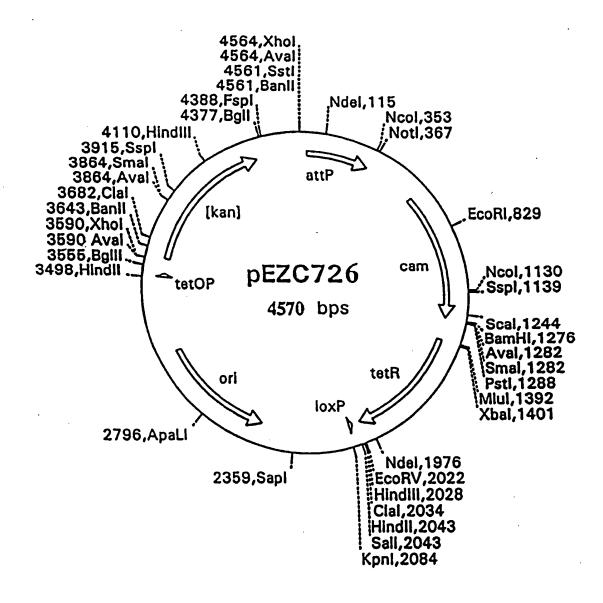




Figure 2D

Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

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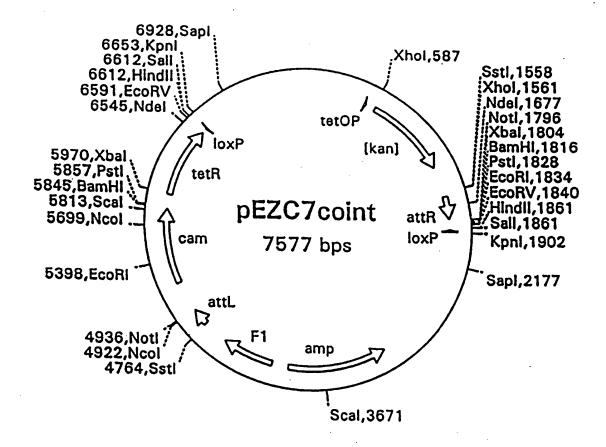
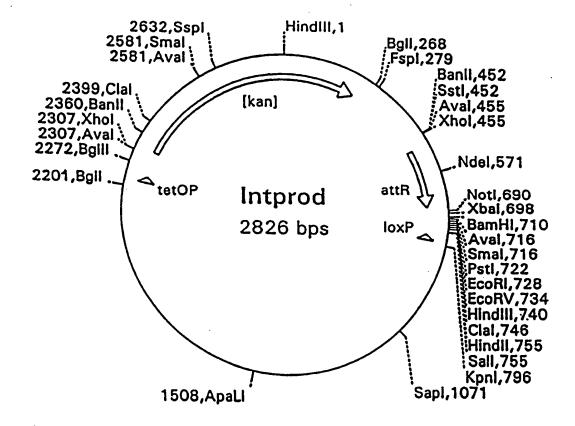




Figure 2E

Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

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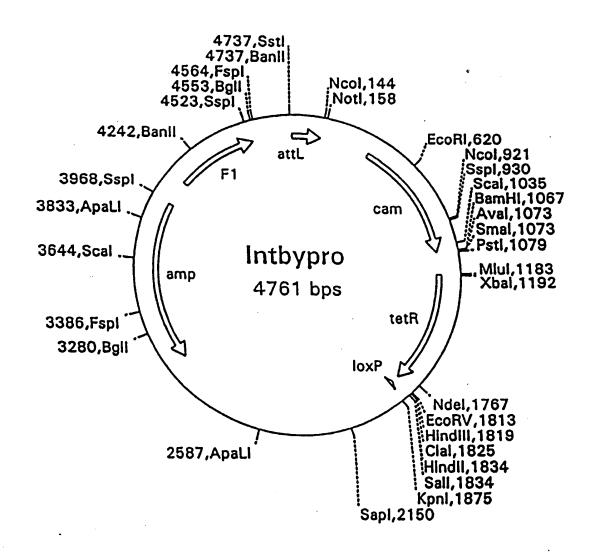




Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

Figure 2F





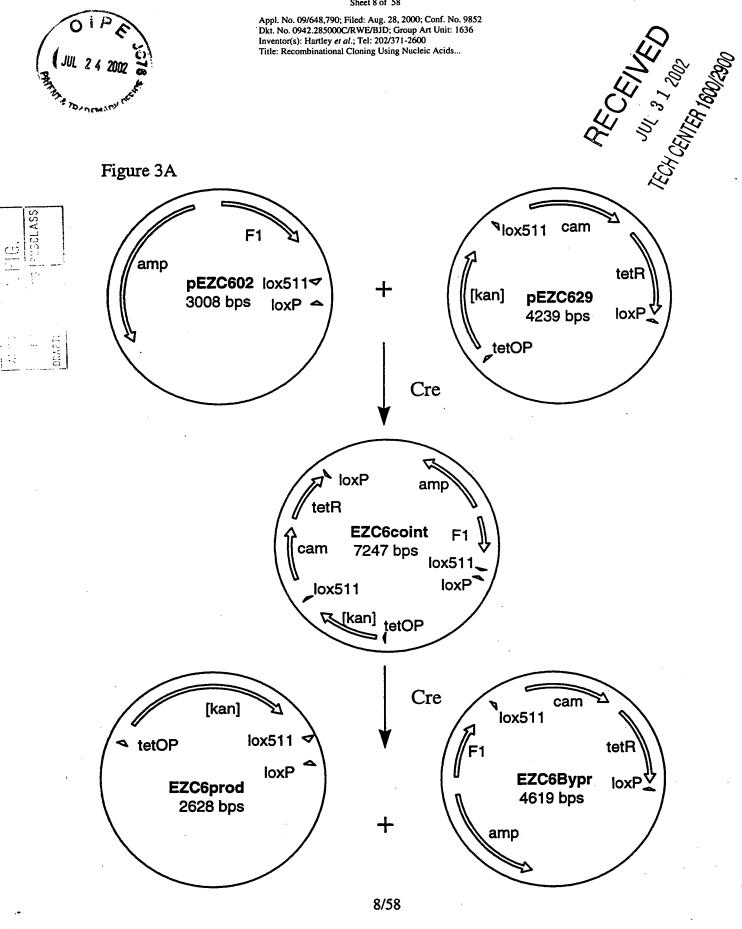




Figure 3B

Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...



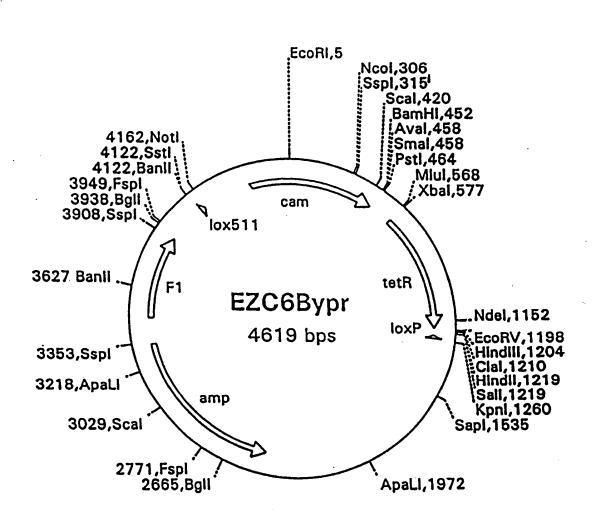




Figure 3C

No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...



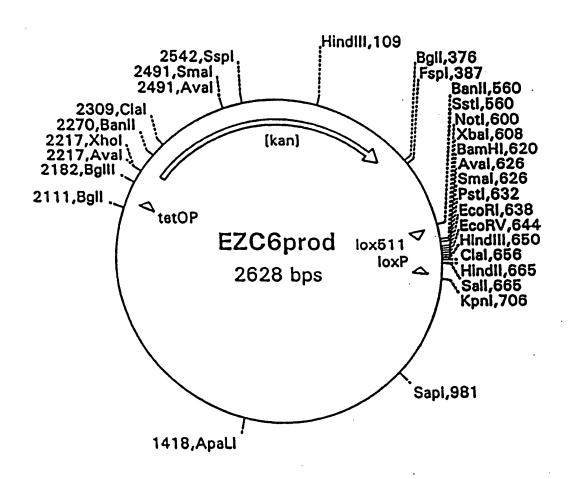
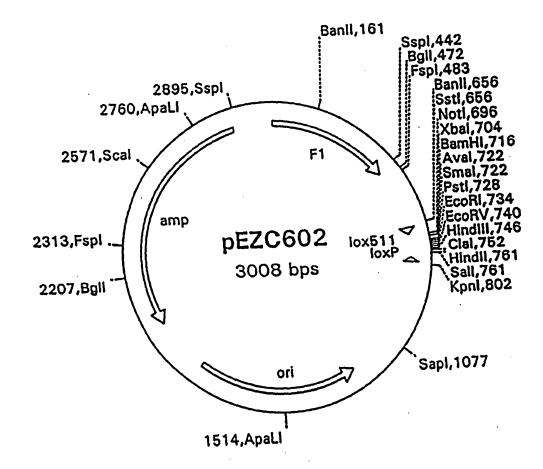




Figure 3D

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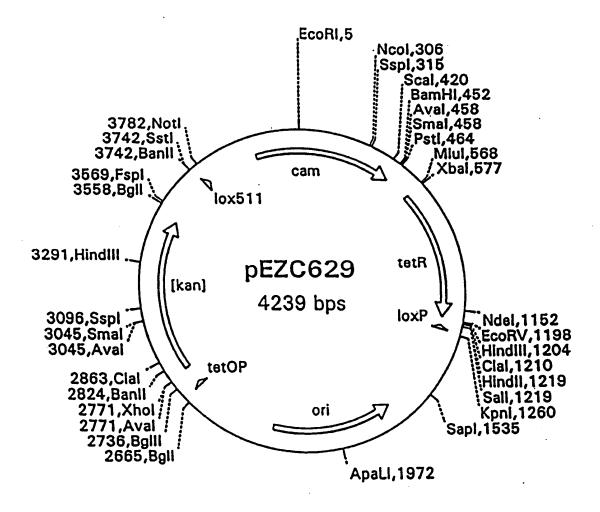




No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

Figure 3E



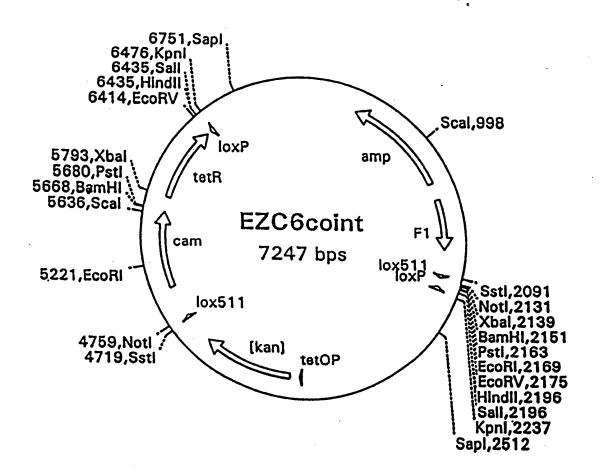




A. D. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 DK. 3. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

Figure 3F

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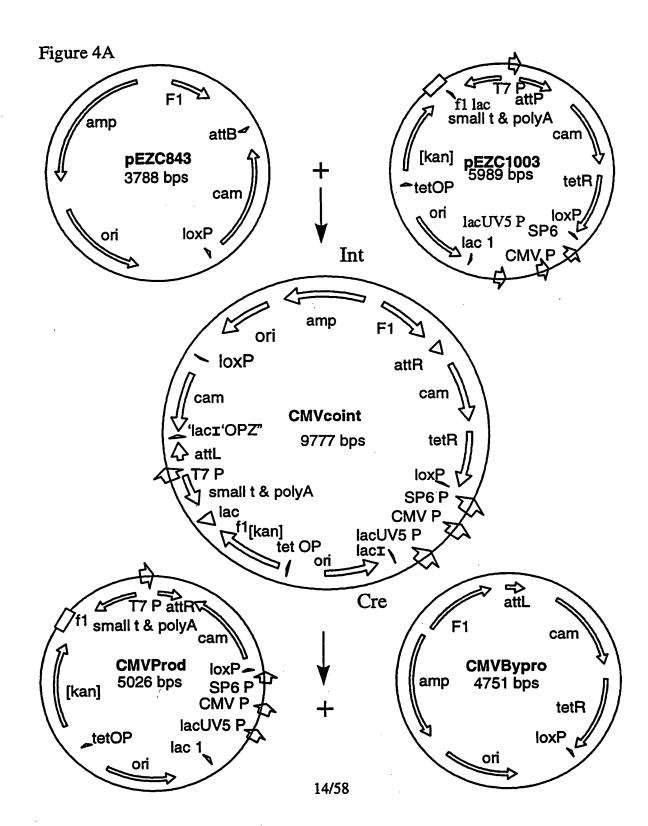
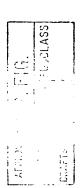
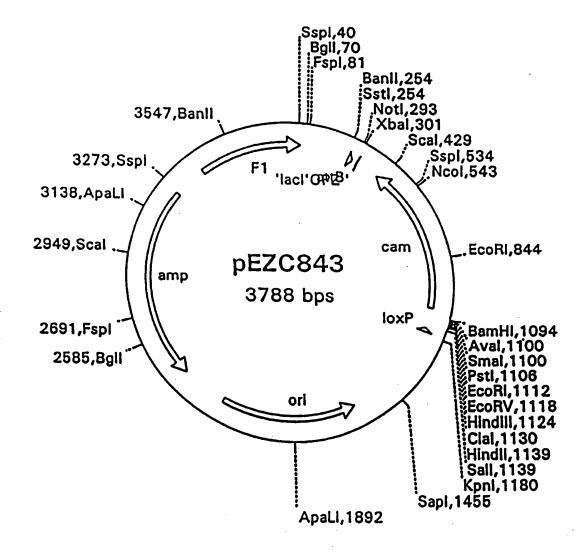




Figure 4B









A Section 28, 2000; Conf. No. 9852 Dkt. 70. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

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Figure 4C

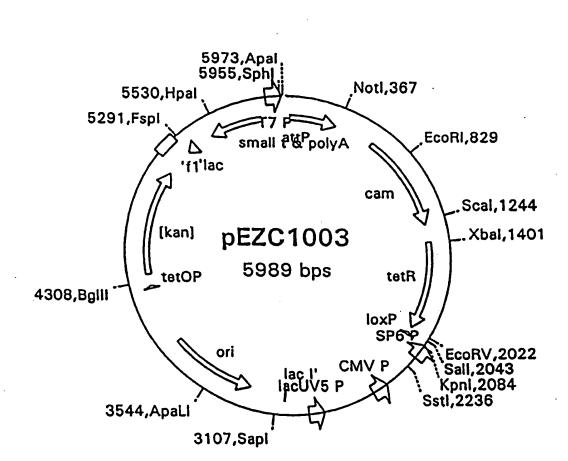
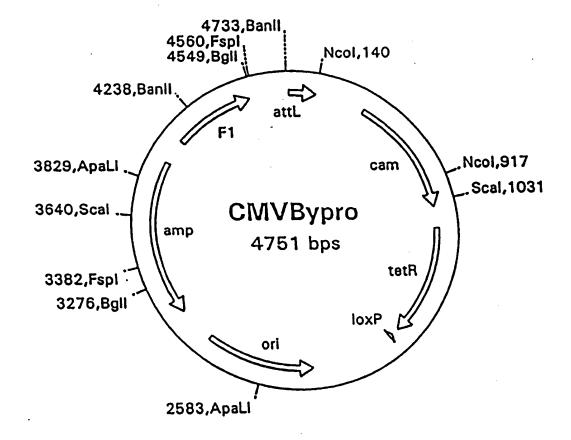




Figure 4D

No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 DK... No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...





A. D. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

Figure 4E

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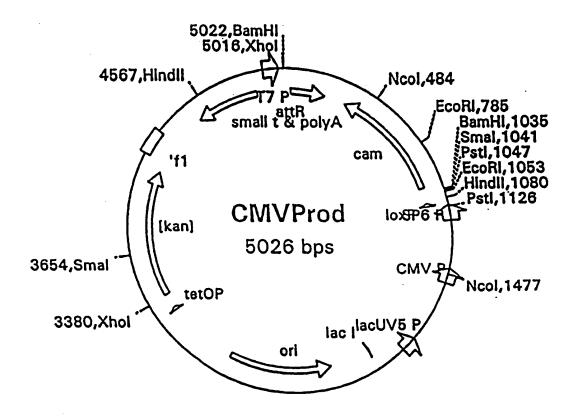




Figure 4F

Jo. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 b. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

Ssti,653 Noti,825 attR Mlul,1850 Xbal,1859 7843,Sapl. 7568,Kpnl. 7527,Sall. cam 7506, EcoRV **CMV**coint tetR loxP loxP V SP5 EcoRV,2480 cam 9777 bps Sall,2501 Kpnl,2542 Sstl,2694 P small t & polyA ladacUV5 6689,Xbal / 6681,Notl 6437,Xhol / 6419,Mlul 'lac ⊿'f1 **EKEOP** Sap1,3565 Xhol,4801





Figure 5A

Aj D. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

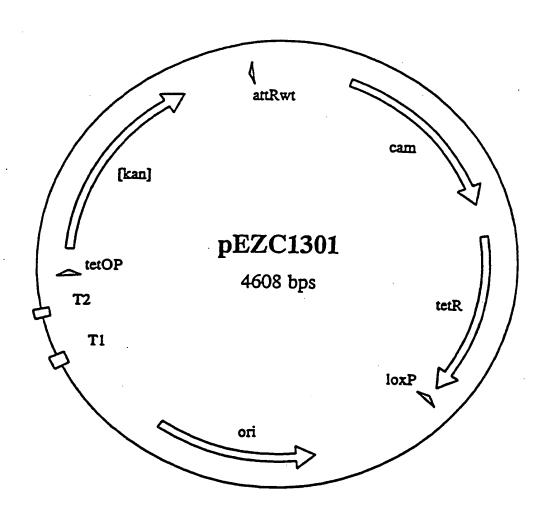




Figure 5B

l. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 at. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley *et al.*; Tel: 202/371-2600

Sheet 21 of 58

Title: Recombinational Cloning Using Nucleic Acids...



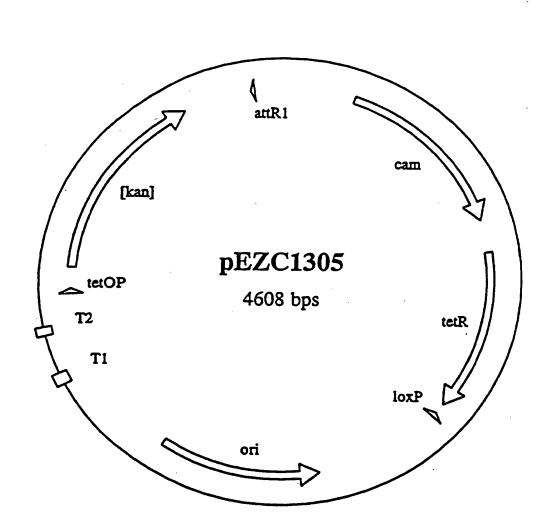




Figure 5C

. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

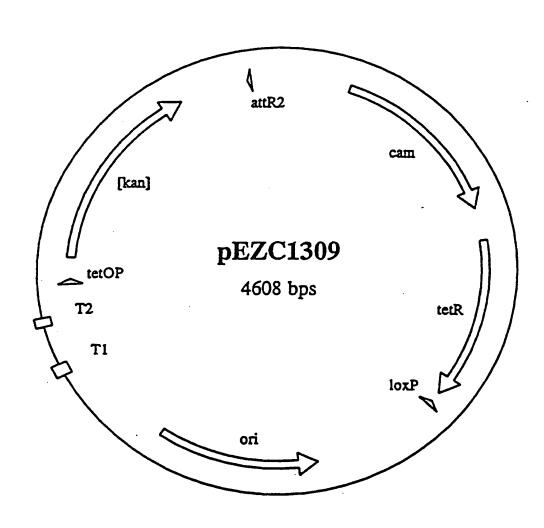




Figure 5D

pl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 5kt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

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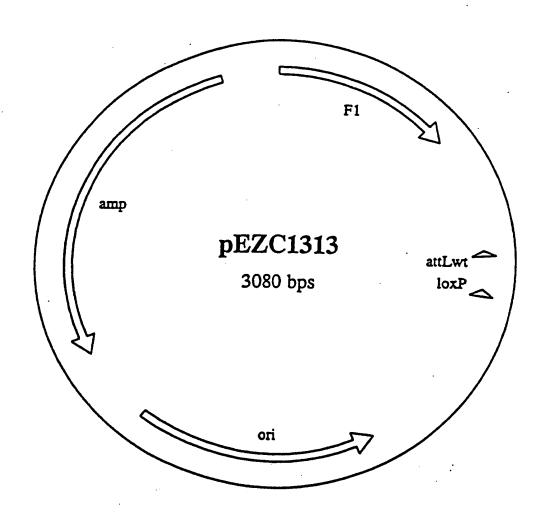




Figure 5E

No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 S.H. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

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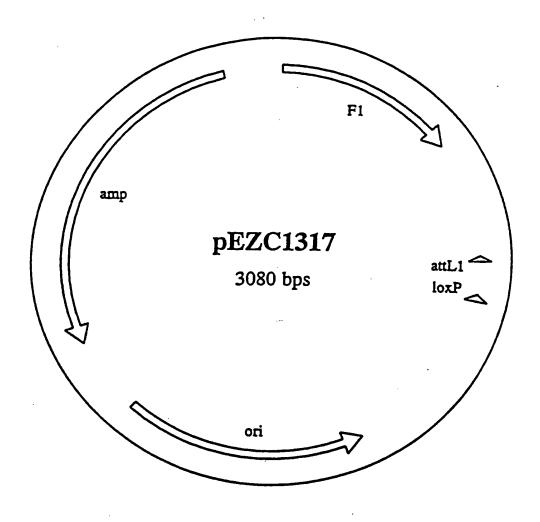




Figure 5F

ppl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Okt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...



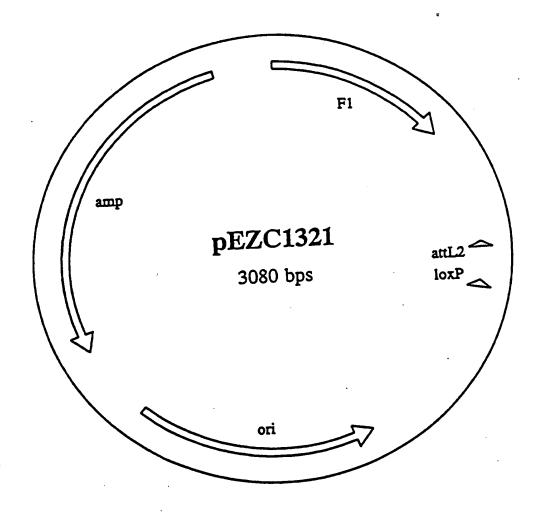
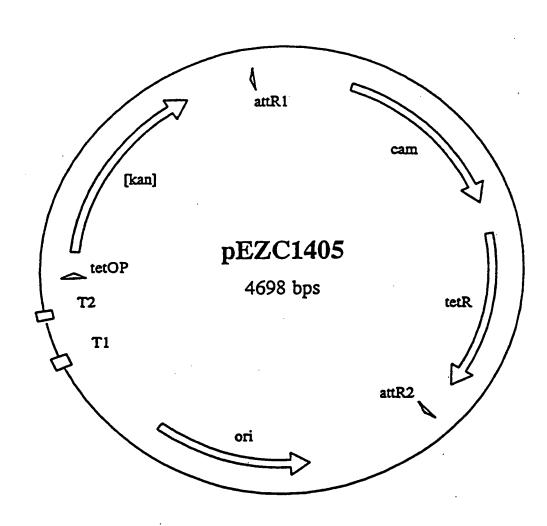




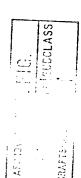
Figure 5G

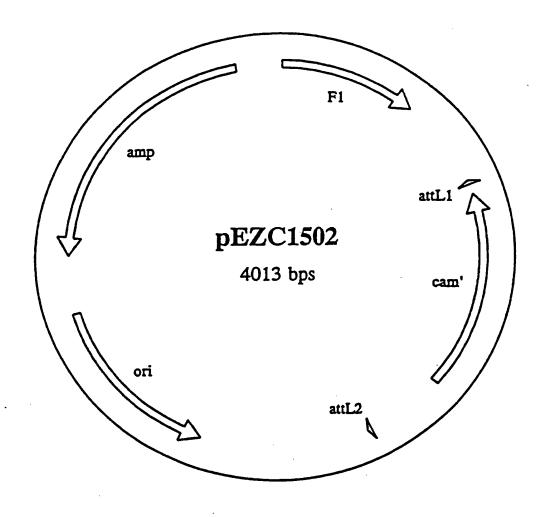
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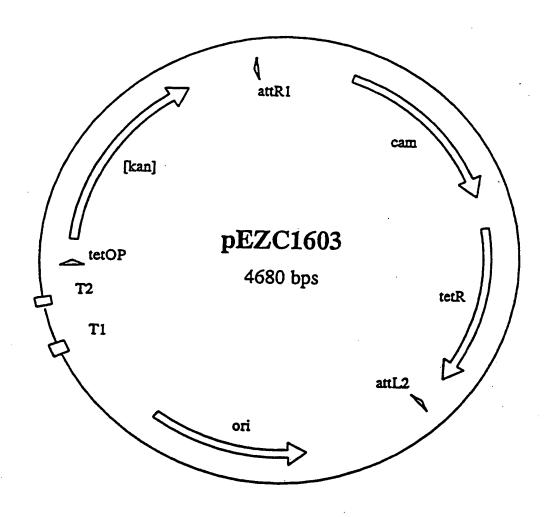




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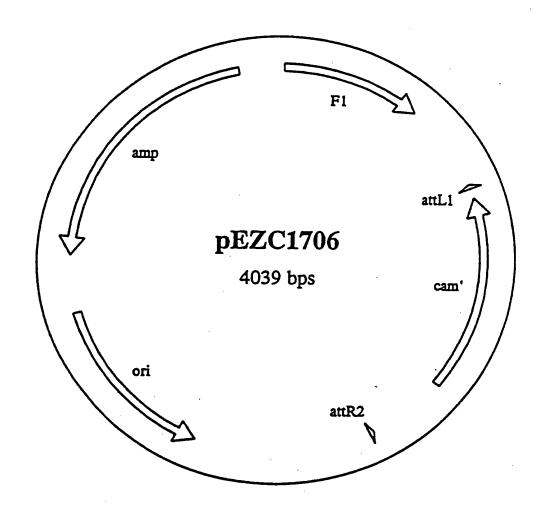
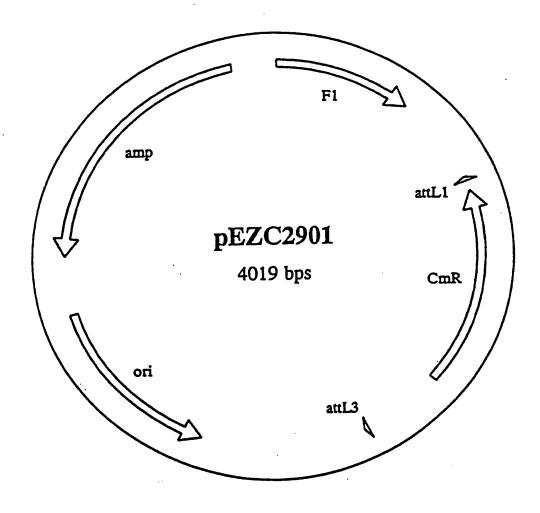




Figure 7A

Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

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Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

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Figure 7B



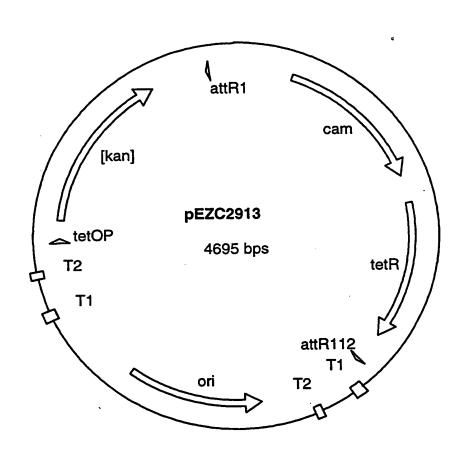
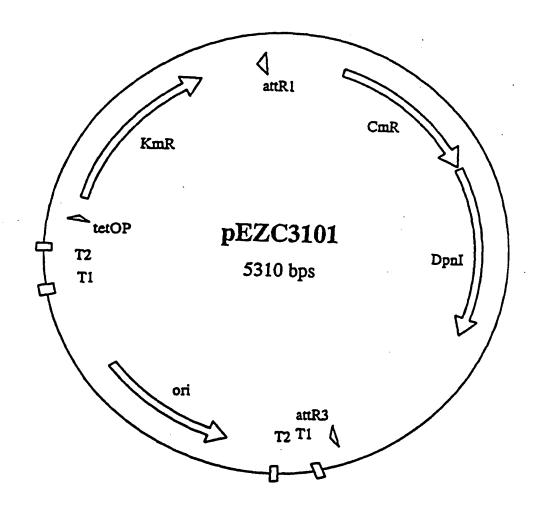




Figure 7C

Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

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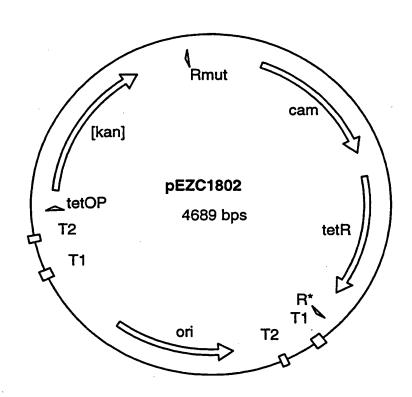




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Figure 7D







Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

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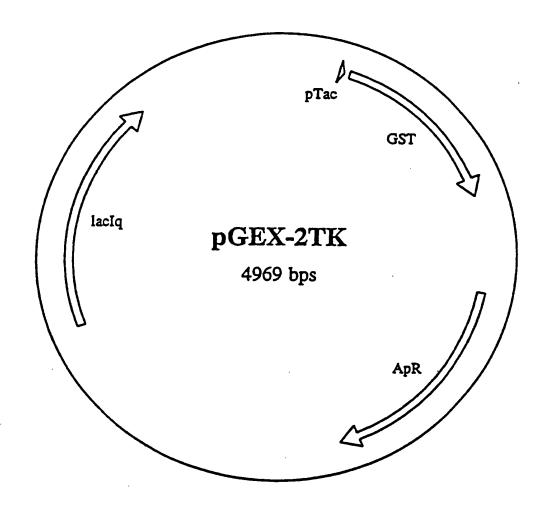
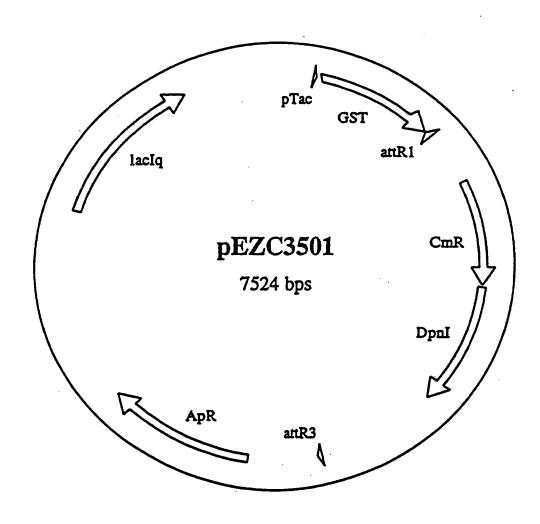




Figure 8B

Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

FIG.

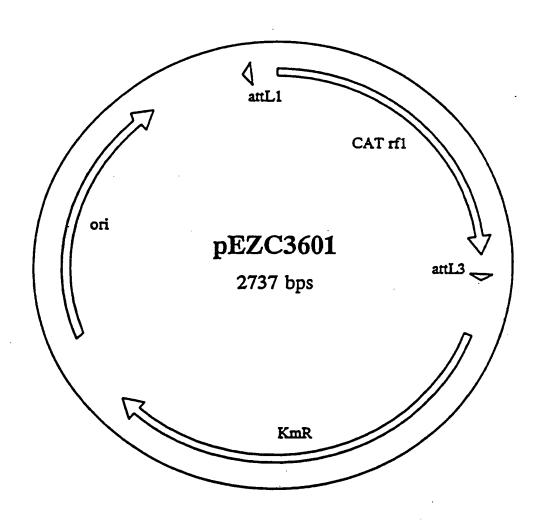




Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 10-2015 [Inventor(s): Hartley et al.; Tel: 202/371-2600] Title: Recombinational Cloning Using Nucleic Acids...

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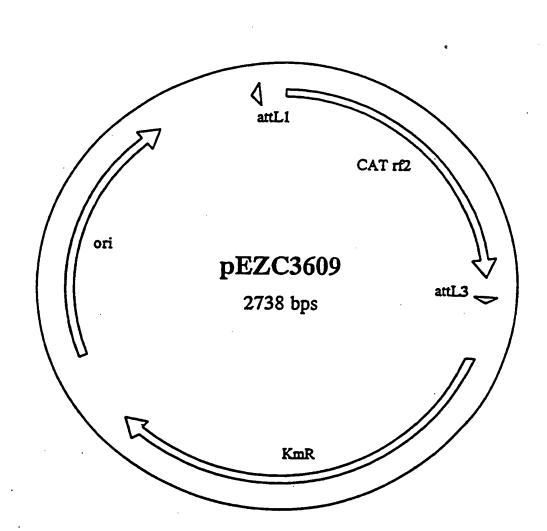




Figure 8E

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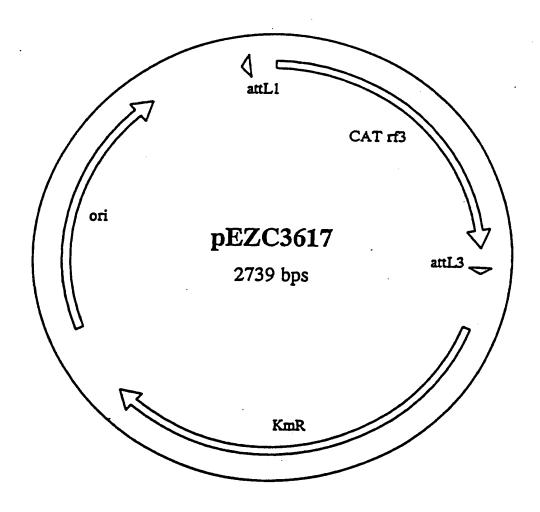




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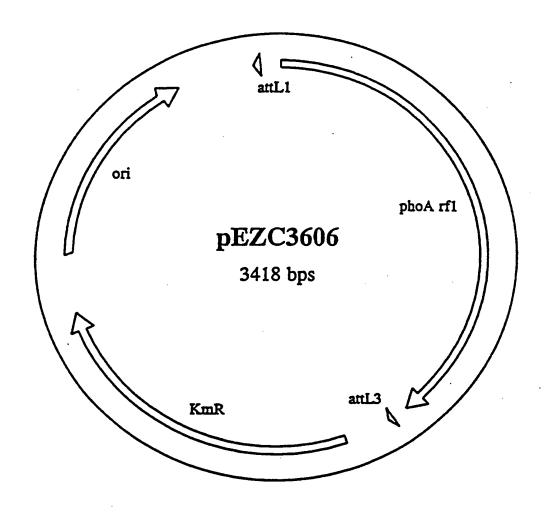




Figure 8G

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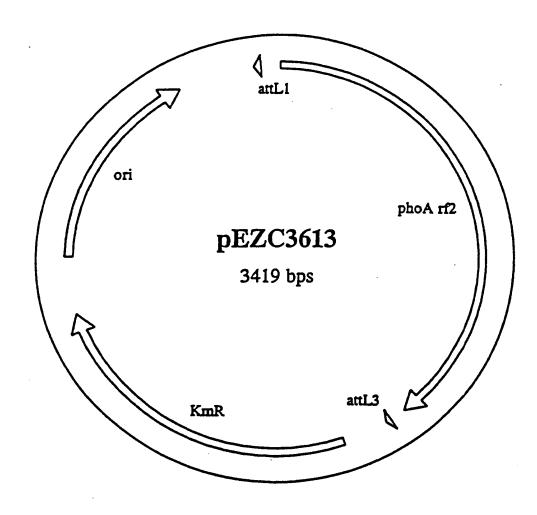




Figure 8H

Appl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 163 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...

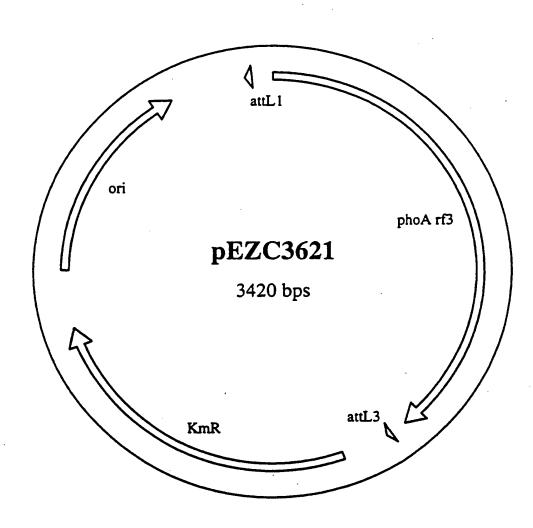
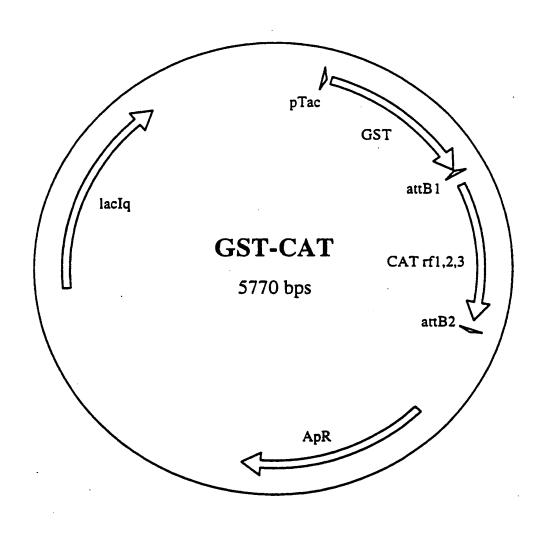




Figure 8I

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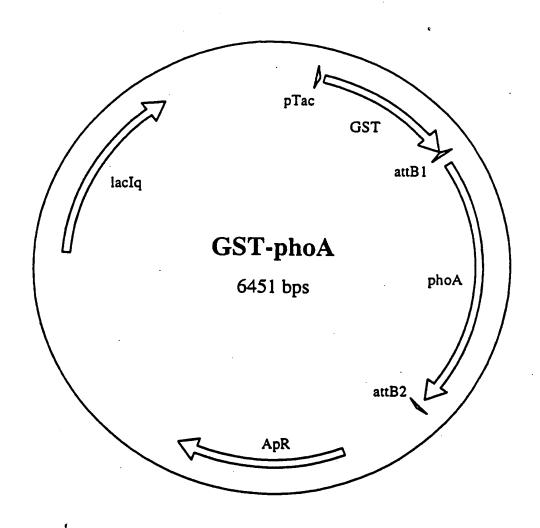




Figure 8K



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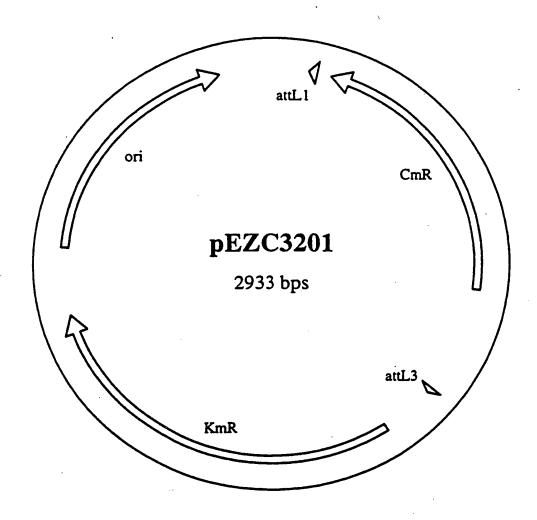




Figure 9A

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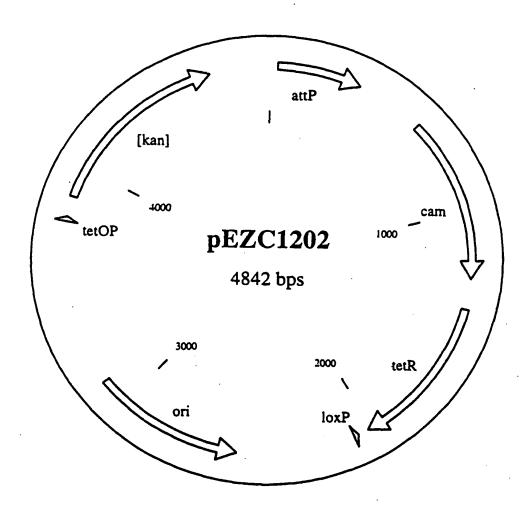




Figure 9C

ALPEN FIG.

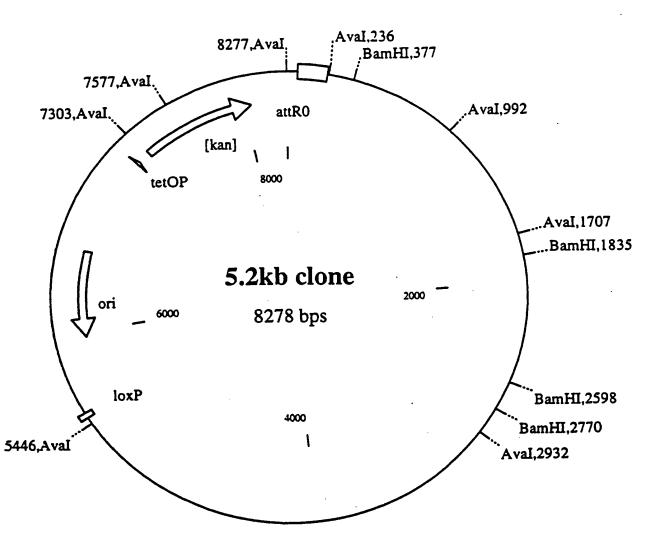
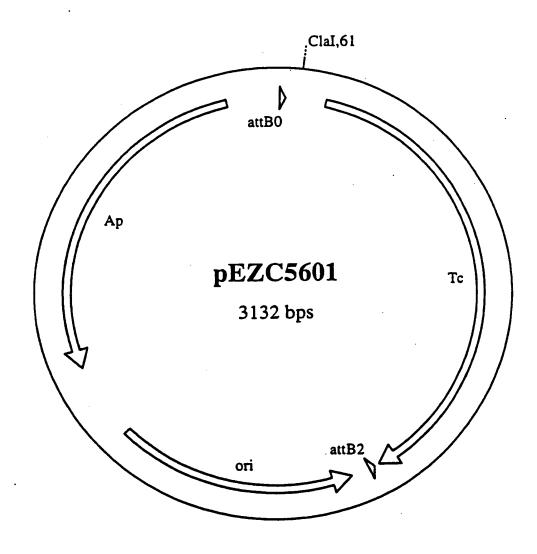




Figure 10A

MARTEL AS SUBCLASS



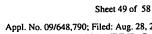
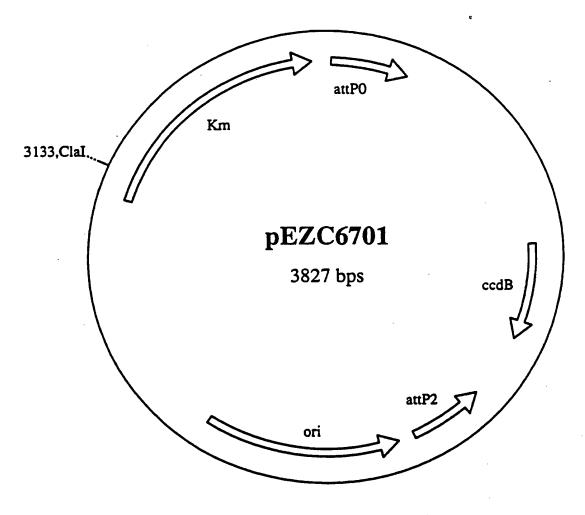




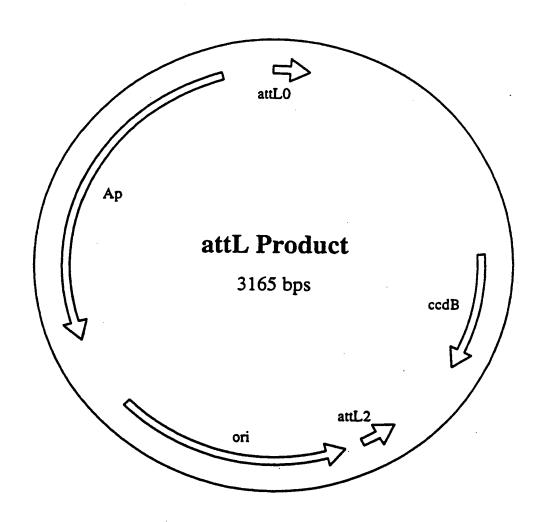
Figure 10B





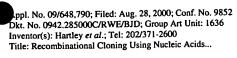


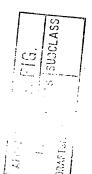
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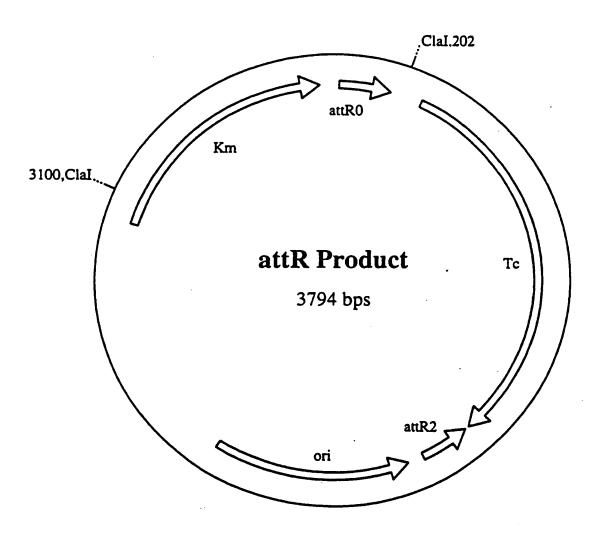






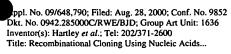














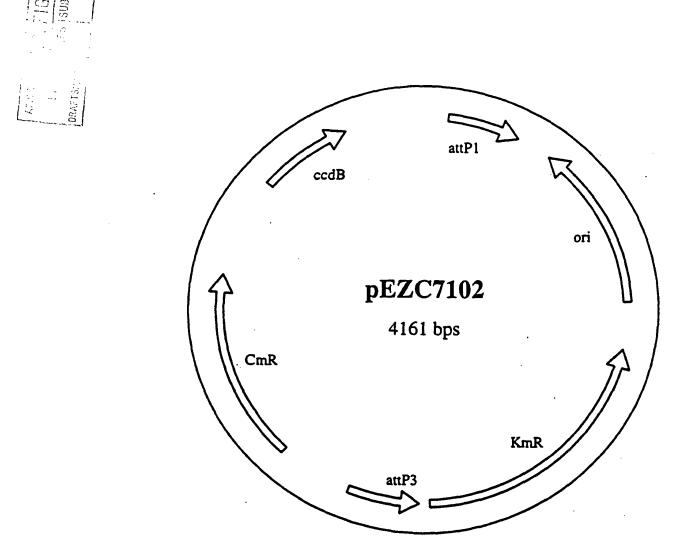
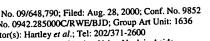
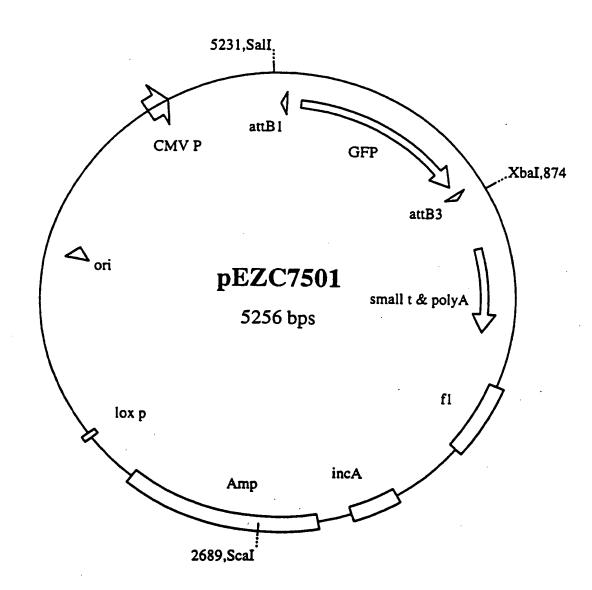




Figure 11B

pl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...







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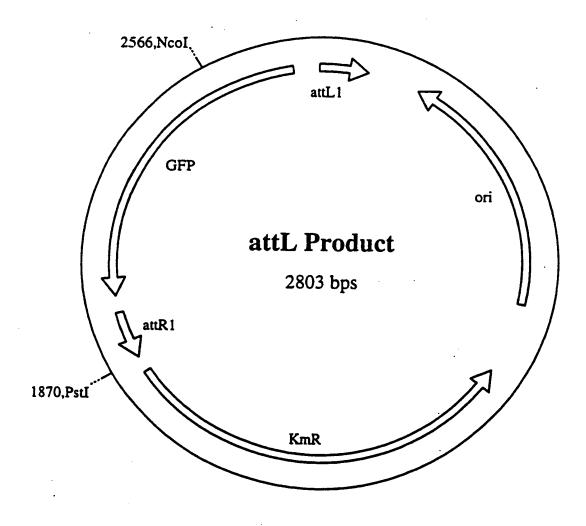


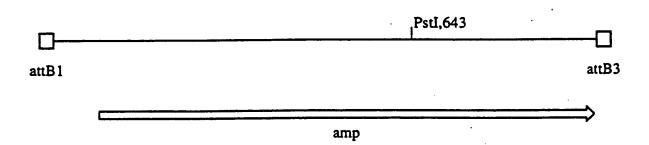




Figure 12A

pl. No. 09/648,790; Filed: Aug. 28, 2000; Conf. No. 9852 Dkt. No. 0942.285000C/RWE/BJD; Group Art Unit: 1636 Inventor(s): Hartley et al.; Tel: 202/371-2600 Title: Recombinational Cloning Using Nucleic Acids...



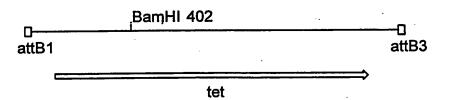


attB1AMPattB3 (987 bps)



Figure 12B

RAFIG.



attB1TETattB3 (1442 bps)



Figure 12C

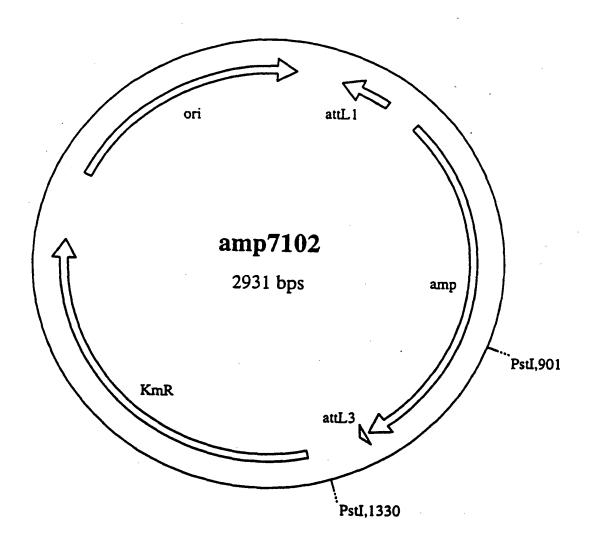




Figure 12D

